

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

Antimicrobials Division (AD)

2/9/2017

MEMORANDUM

**Subject:** Acute Toxicity Review for EPA Reg # 1677-238  
Product name: Peroxide Multi Surface Cleaner and Disinfectant  
DP#:437926 E-Sub #: 16429

**From:** Narayanan Parthasarathy, Chemist  
Chemistry and Toxicology Team  
Product Science Branch  
Antimicrobials Division (7510P)

**Thru:** Jenny Tao, Senior Scientist  
Chemistry and Toxicology Team  
Product Science Branch  
Antimicrobials Division (7510P)

**To** Seiichi Murasaki RM 33/Zebora Johnson  
Regulatory Management Branch I  
Antimicrobials Division (7510)

**Applicant:** Ecolab Inc

**Formulation from Label**

Active Ingredient (s)

% by weight

Hydrogen Peroxide

8.0%

Other Ingredients

92.0%

Total

100.0%

**I BACKGROUND:** The registrant, Eco Lab Inc, is submitting a label amendment for the product, **Peroxide Multi Surface Cleaner and Disinfectant, EPA Reg # 1677-238**. The registrant requested to change the skin sensitization toxicity category of ready to use diluted version of the above product.

**II FINDINGS:**

- a) The Acute Toxicity Profiles of the subject product **Peroxide Multi Surface Cleaner and Disinfectant, EPA Reg # 1677-238 (concentrate)** and its ready to use diluted version (1:21.3) were previously reviewed and approved (3/13/2014) by Chemistry & Toxicology Team (CTT) - see Table below.
- b) The registrant is requesting to change the skin sensitization toxicity category of ready to use diluted version of the above product. The registrant is bridging data from their own product, **Peroxide Disinfectant and Glass Cleaner RTU, EPA Reg # 1677-251**.
- c) CTT made a comparison of Basic CSFs of the cited product **Peroxide Disinfectant and Glass Cleaner RTU EPA Reg # 1677-251** and Subject Product (Use Dilution 1: 21.3) # 1677-238. It was determined that the chemistry profiles of these products are similar. The Active Ingredient concentration of the cited product is 0.39% (Basic CSF dated 10/31/14) compared to 0.38% (1/21.3 of 8%), the expected concentration of diluted (1:21.3) version of the product under consideration (Basic CSF dated 11/09/2016).
- d) The following Table shows previously assigned Acute Toxicity Profiles of **EPA Reg # 167-238 concentrate** and its **ready to use diluted version (1:21.3) of the product**.

Study	Subject Product (Concentrate) Peroxide Multi Surface Cleaner and Disinfectant EPA Reg# 1677-238			Subject Product (Use Dilution 1: 21.3) Peroxide Multi Surface Cleaner and Disinfectant EPA Reg #1677-238		
	MRID Number	Toxicity Category	Status - CTT Approval Date 2/6/2013	MRID Number	Toxicity Category	Status - CTT Approval Date 3/13/2014
Acute Oral Toxicity	48947442	III	Acceptable	49253301	IV	Acceptable
Acute Dermal Toxicity	48947441	III	Acceptable	49253302	IV	Acceptable
Acute Inhalation Toxicity	48947439	III	Acceptable	48947439	III*	Acceptable
Primary Eye Irritation	48947443	III	Acceptable	48947443	III*	Acceptable
Primary Dermal Irritation	48947444	IV	Acceptable	48947444	IV*	Acceptable
Dermal Sensitization	48947440	Sensitizer	Acceptable	48947440	Sensitizer*	Acceptable

\* Bridging down from a concentrate.

e) The following Table shows previously assigned Acute Toxicity Profile of cited product, **Peroxide Disinfectant and Glass Cleaner RTU, EPA Reg # 1677-251** and currently assigned Acute Toxicity Profile of subject Product, **Peroxide Multi Surface Cleaner and Disinfectant (Use Dilution 1: 21.3), EPA Reg # 1677-238**.

Study	Cited Product Peroxide Disinfectant and Glass Cleaner RTU EPA Reg # 1677-251			Subject Product Peroxide Multi Surface Cleaner and Disinfectant (Use Dilution 1: 21.3) EPA Reg # 1677-238		
	MRID Number	Toxicity Category	Status - CTT Approval Date 4/21/2015	MRID Number	Toxicity Category	CURRENT STATUS
Acute Oral Toxicity	49253301	IV	Cited	49253301	IV	Acceptable
Acute Dermal Toxicity	49253302	IV	Cited	49253302	IV	Acceptable
Acute Inhalation Toxicity	49488204 48947439	IV	Cited	49488204	IV	Acceptable
Primary Eye Irritation	48947443	III	Cited	48947443	III	Acceptable
Primary Dermal Irritation	48947444	IV	Cited	48947444	IV	Cited/Acceptable
Dermal Sensitization	49488203	Non-Sensitizer	Acceptable	49488203	Non-Sensitizer	Cited/Acceptable

**III. LABELING:** The proposed label on the **SECONDARY/USE DILUTION CONTAINER** is acceptable.